LISTING OF CLAIMS

What is claimed is:

1. (Currently Amended)   A bridge apparatus for a building automation system comprising:

a building automation system controller;

a first network controller operatively associated with the building automation system controller, the first network controller connecting the bridge to a local area network;

a second network controller operatively associated with the building automation system controller, the second network controller connecting the bridge to a subnetwork to which subnetwork one or a plurality of building automation devices are connected; and

a processor-executed program code provided in computer-readable storage operatively associated with the building automation system controller, the processor-executed program code including:

program code for receiving configuration information via the local area network; and

program code for configuring a building automation device connected to the subnetwork based on the configuration information,

wherein the configuration information is one or more of program code, scripts, and data files, all for configuring a building automation device, and

wherein the building automation device is a device that performs a building-related automation function within the building automation system.

2. (Previously Presented)   The bridge apparatus of claim 1, wherein the processor executing program code further includes program code for assigning a dynamic address to the automation device in the subnetwork.

3. (Previously Presented)   The bridge apparatus of claim 1, wherein the processor-

executing program code further includes program code for receiving updated configuration information via the local area network for the automation device in the subnetwork.

4. (Previously Presented) The bridge apparatus of claim 1, wherein the processor-executing program code further includes program code for maintaining a map of automation devices in the subnetwork.

5. (Previously Presented) The bridge apparatus of claim 1, wherein the processor-executing program code further includes program code for automatically updating the map if an automation device is added to the subnetwork.

6. (Previously Presented) The bridge apparatus of claim 1, wherein the processor-executing program code further includes program code for operating automation devices in a mode that provides for the building to appear lived-in even when the user is not present.

7. (Previously Presented) The bridge apparatus of claim 1, wherein the processor-executing program code further includes program code for updating firmware at the device in the subnetwork.

8. (Previously Presented) The bridge apparatus of claim 1, wherein the processor-executing program code further includes program code for resetting a device in the subnetwork.

9. (Previously Presented) A building automation system comprising:
        a local area network;
        a subnetwork for connecting at least one automation device;
        a first bridge connecting the subnetwork to the local area network;
        a second bridge connecting the subnetwork to the local area network, wherein at least one of the bridges connects the subnetwork to the local area network even if the

other bridge is offline, such that every automation device in the building automation system always remains connected to the local area network even if one of the bridges is offline or it there is a fault in the subnetwork.

10. (Original) The building automation system of claim 9, wherein at least one of the bridges is communicatively coupled to at least one automation device even if the subnetwork includes a break.

11. (Original) The building automation network of claim 9, wherein the subnetwork is a CAN bus.

12. (Original) The building automation network of claim 9, wherein the local area network is an Ethernet network.

13. (Original) The building automation network of claim 9, further comprising a plurality of subnetworks connected to the local area network by a plurality of bridges.

14. (Currently Amended) A method comprising:
  connecting a first bridge to a local area network;
  connecting the first bridge to a subnetwork of building automation devices;
  connecting a second bridge to a local area network;
  connecting the second bridge to the same subnetwork of building automation devices;
  receiving configuration information for a building automation device at the <u>first bridge, second</u> bridge or <u>both</u> bridges via the local area network; and
  configuring the building automation device in the subnetwork based on the configuration information received at the <u>first bridge, second</u> bridge or <u>both</u> bridges,
  wherein the configuration information is one or more of program code, scripts, and data files, all for configuring a building automation device, and
  wherein the building automation device is a device that performs a building-related automation function within the building automation system.

15. (Previously Presented) The method of claim 14, further comprising assigning a dynamic address to the building automation device in the subnetwork.

16. (Previously Presented) The method of claim 14, further comprising receiving updated configuration information via the local area network for the building_automation device in the subnetwork.

17. (Previously Presented) The method of claim 14, further comprising maintaining a map of building automation devices in the subnetwork.

18. (Previously Presented) The method of claim 14, further comprising automatically updating a map of building automation devices in the subnetwork if a building automation device is added to the subnetwork.

19. (Previously Presented) The method of claim 14, further comprising operating building automation devices in a mode that provides for the building to appear lived-in even when the user is not present.

20. (Previously Presented) The method of claim 14, further comprising resetting a building automation device in the subnetwork.

21. (Original) The method of claim 14, further comprising isolation of a fault in the subnetwork.

22. (Original) The method of claim 14, further comprising automatic rerouting of subnetwork traffic if a subnetwork fails.